

Altair

Subject:

7th Combined Science

Class: The Unit of Life

Date: April 15

2011



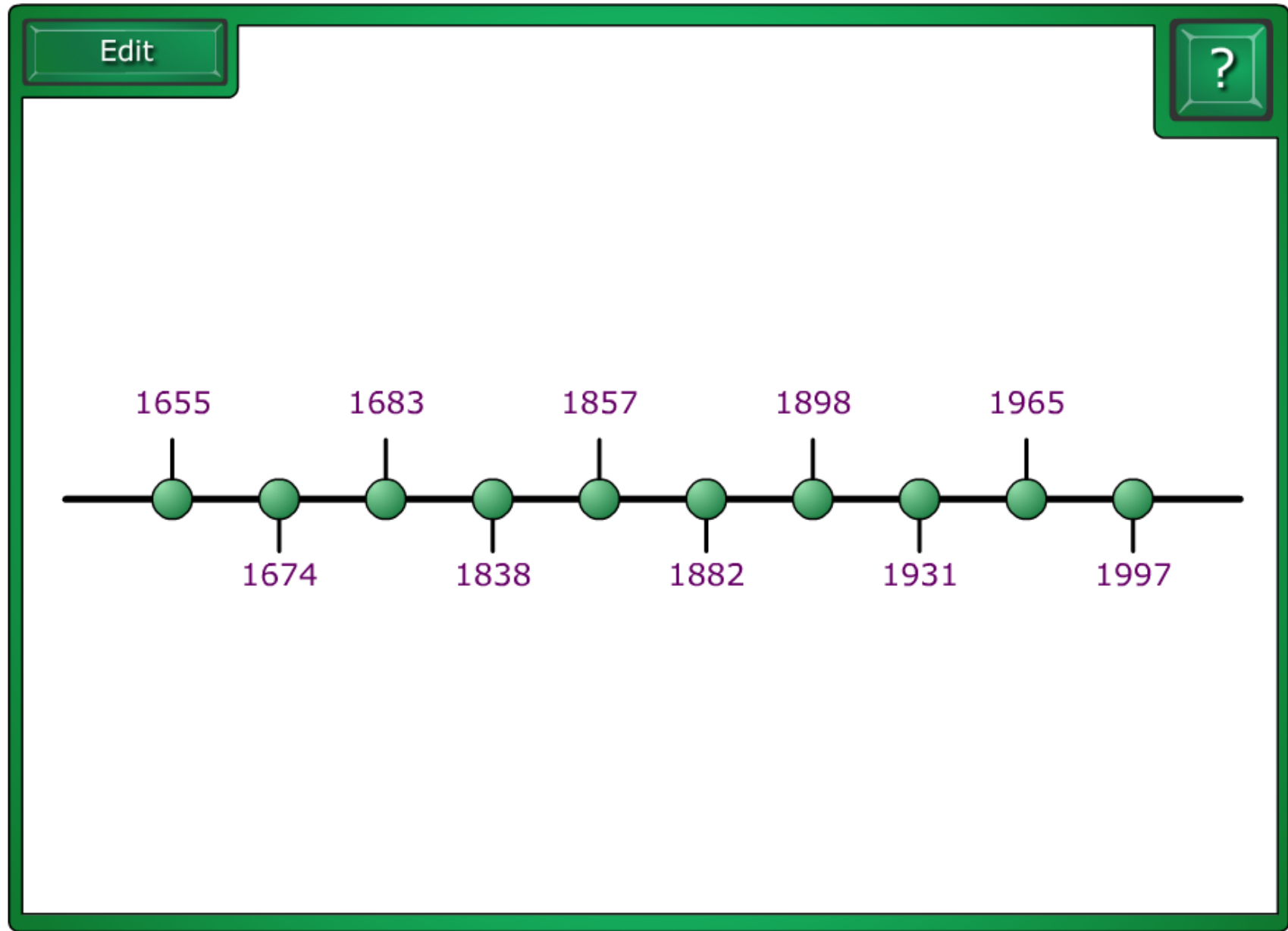
Teacher's notes

Objectives

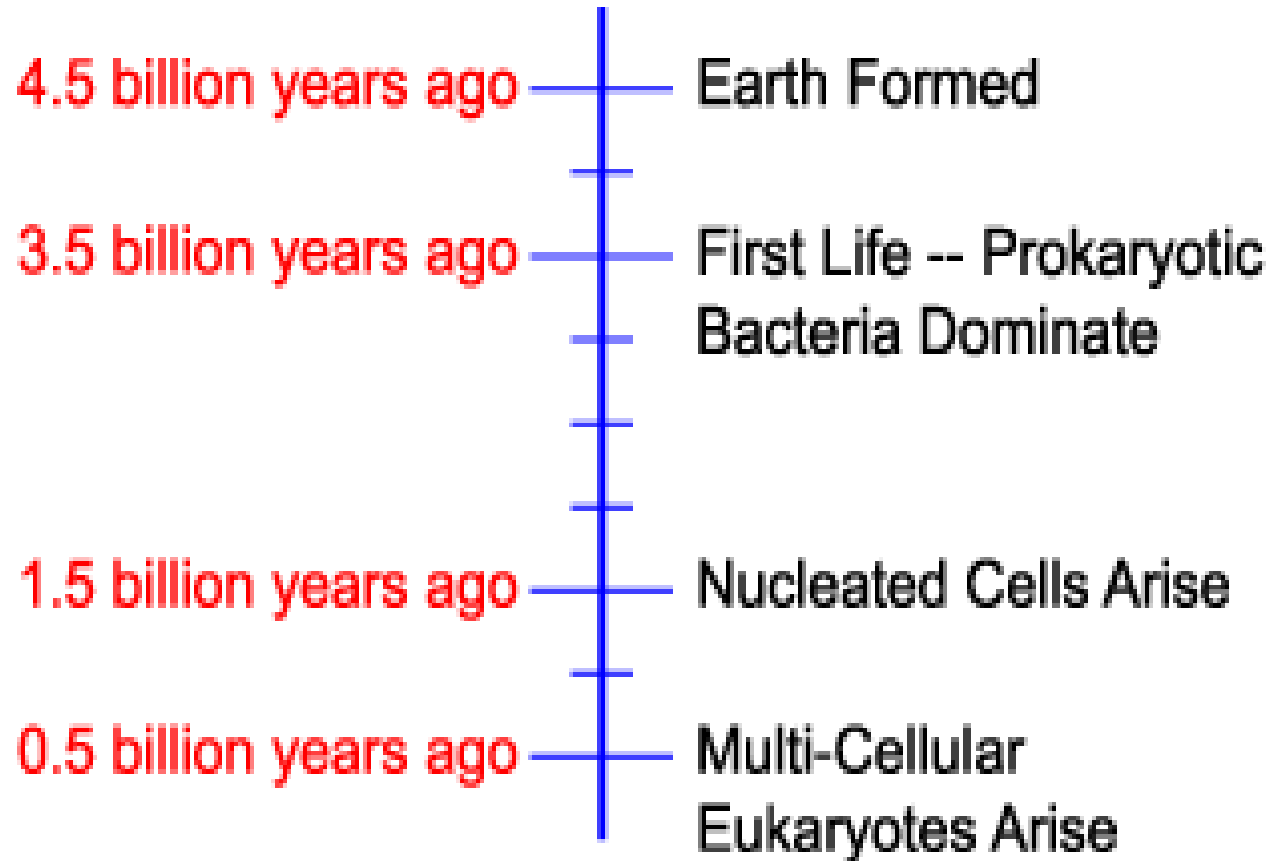
Vocabulary

Link and Learn

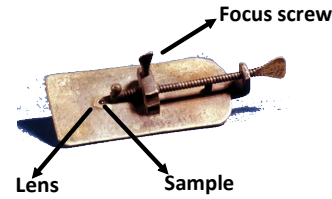
Prepared by



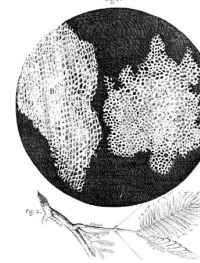
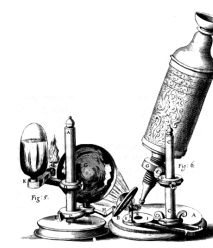
Brief history of Life



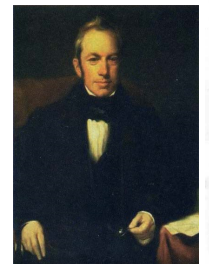
IMAGES



**Anton
van
Leeuwenhoek**



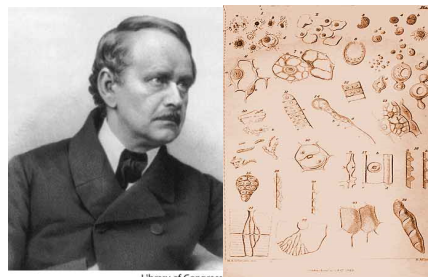
**Robert
Hooke**



Brownian motion
<http://goo.gl/aximu>

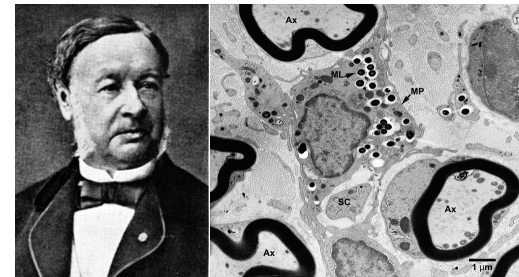
Robert Brown

1827: He discovered the "Brownian motion" while studying tiny pollen grains suspended in still water through a microscope.



Matthias Schleiden

1838: *Contributions to Phytogenesis*



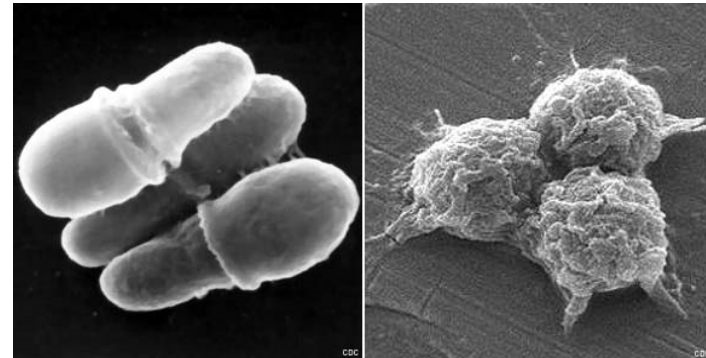
Thomas Schwann

1838-39: *The Cell Theory*

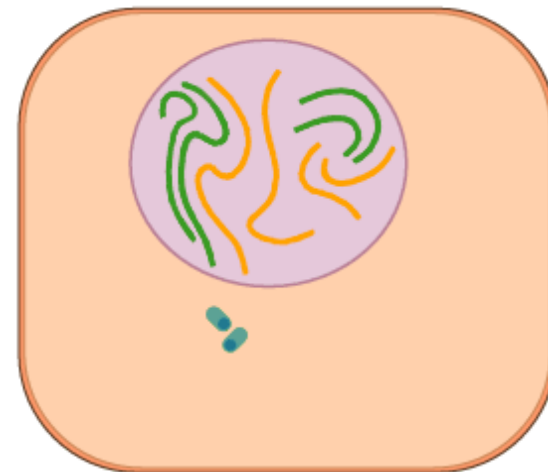
<http://www.multiurl.com/r/5fa>

THE CELL THEORY

- 1. All living organisms are made up of cells.***
- 2. The Cell is the Basic Unit of Life.***



- 3. Omni celula et celula.**
Cells come from cells only.



THE CELL THEORY



The Cell Theory

<http://goo.gl/BBOrY>

THE CELL THEORY



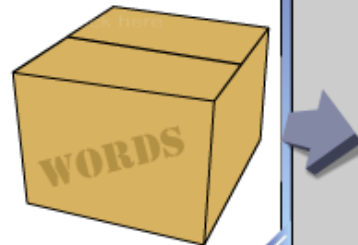
The Cell Theory Song
<http://goo.gl/HIOBH>



What are the two types of Cells in nature?



Reset



Back

Next

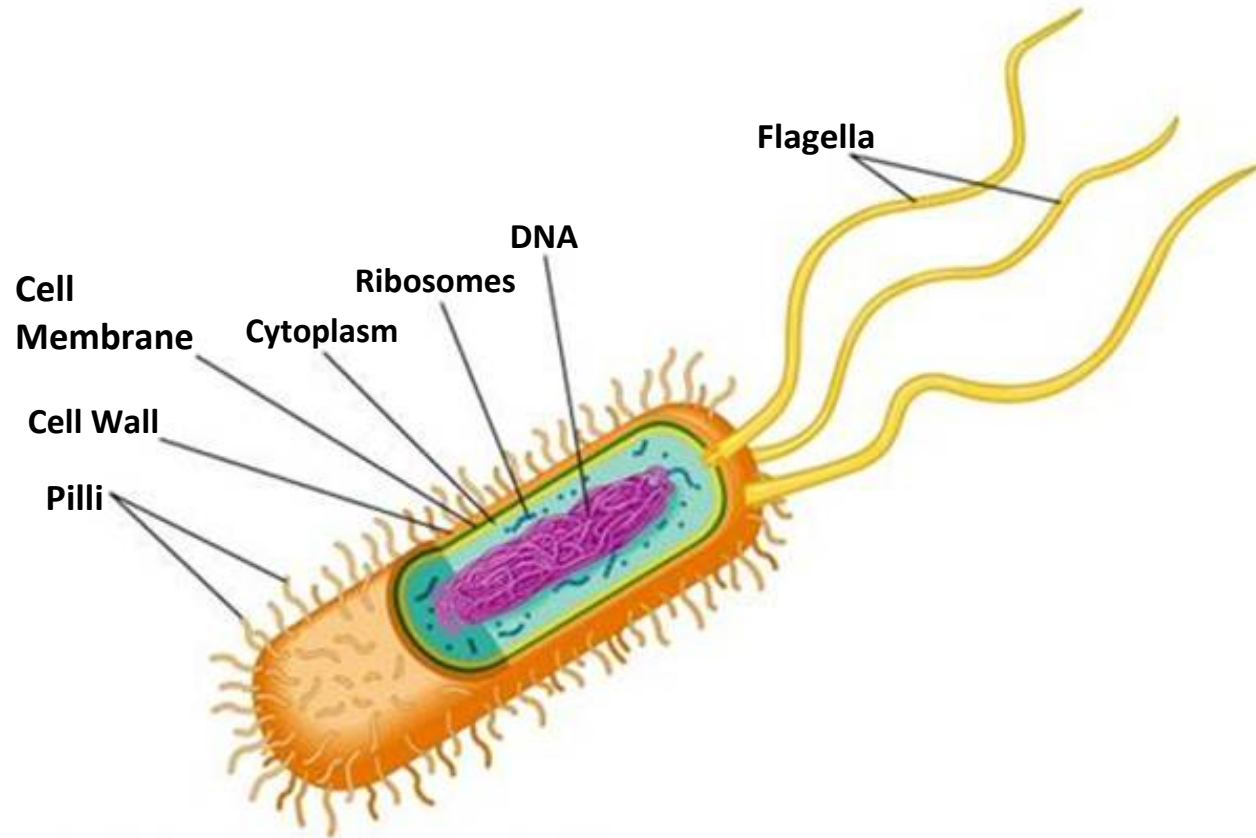
Answer the questions to the best of your knowledge!



Back

Next

Cell 1: Identify the parts of this type of cell



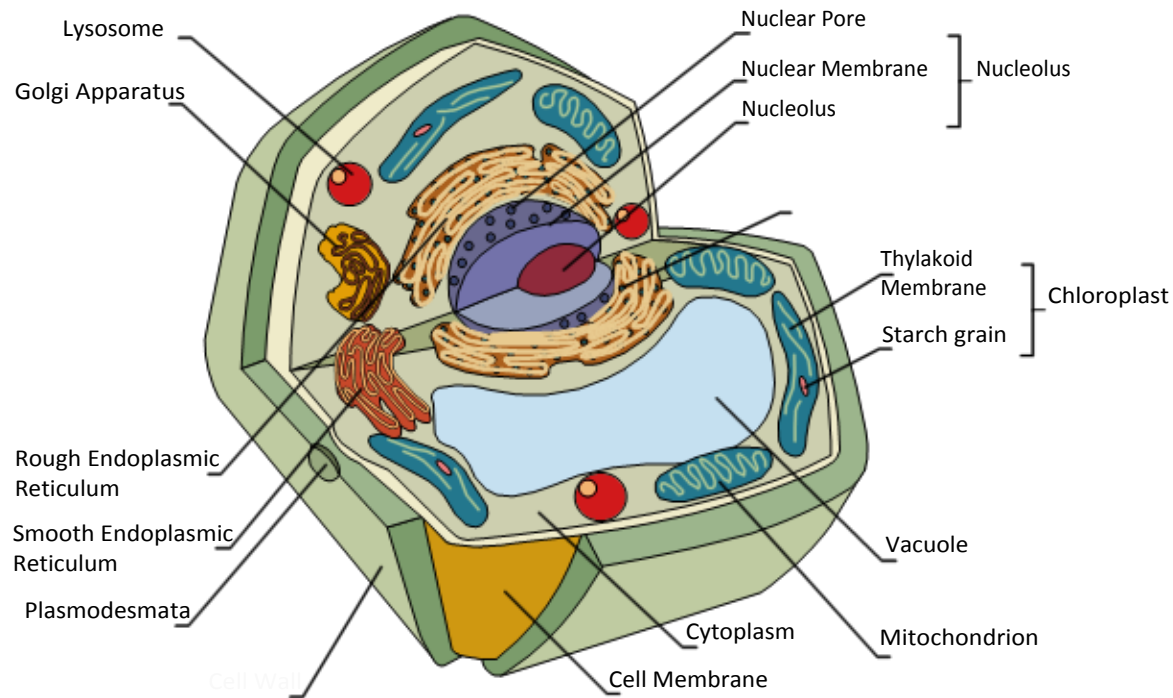
Eukaryote Cell?

Prokaryote Cell?

Back

Next

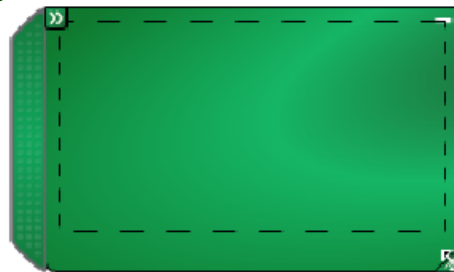
Cell 2: Identify the cell components



Plant Cell?

Animal Cell?

Back



Next

Image 1



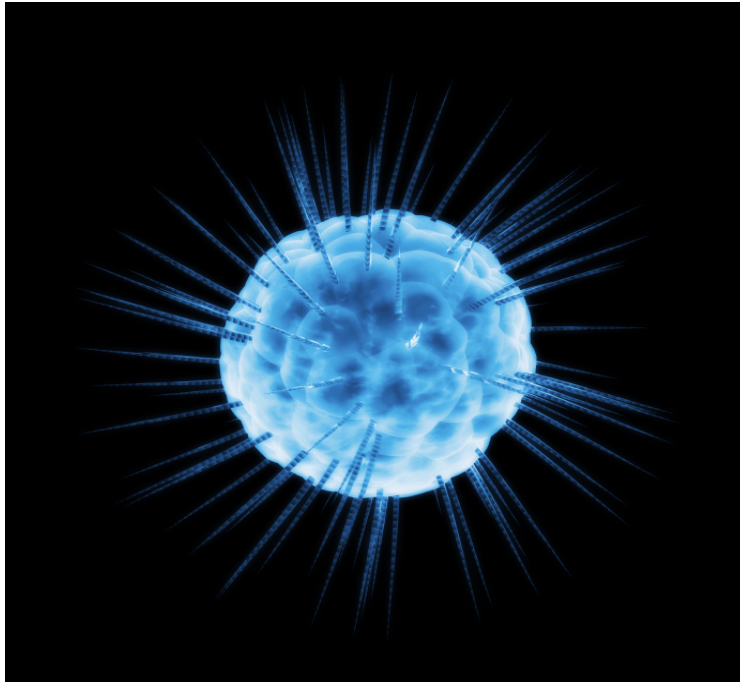
- a) A broken ladder.
- b) A molecule of life.
- c) A Picasso painting.
- d) An animal camouflage.

Back

Next

Image 2

What type of Cell is this?



- a) Animal Cell.
- b) Plant Cell.
- c) This is not a cell.
- d) None of the above.

Back



www.cellsalive.com

Teacher's Notes

This class has been designed to cover the topics of *The Unit of Life* from Monday, April 11th till Friday, April 15th.

For further knowledge about this topic:

- 1. Conduct a thorough search under the topic: *The Unit of Life* on the Web, books and magazines.**
- 2. If findings are not specific, ask your teacher for suggestions.**

BACK

Objectives

- Understands the basic unit of life: Cells.
- Explains the differences between prokaryotic and eukaryotic cells.
- Identifies the basic components and structures of cells.



Note: All, or most, of the objectives will be covered during class time, however the student must be responsible for those objectives not covered or concluded.

BACK

Vocabulary

- Cell:
- Prokaryote:
- Eukaryote:
- Organelle:
- Endomembrane system:

***Note:** Most of the vocabulary words will be covered during class time, however the student must be responsible for those words not covered or concluded.*

BACK

Link and Learn

You can visit the following websites to improve your understanding on the present topic:

- www.johnkyrk.com
- www.cellsalive.com
- <http://science-altair.wikispaces.com>
- <http://learningandscience.blogspot.com>

BACK

Prepared by



Gerardo LAZARO

SCIENCE and Biology Teacher

Email: glazaro@altair.edu.pe

Wiki: <http://science-altair.wikispaces.com>

Blog: <http://learningandscience.blogspot.com>

Twitter: <http://twitter.com/glazaro>

BACK



Back

Try
again!

Back